

In re Application of: MALEY, Joseph C. et al.
Serial No.: 10/630,627
Response to Office Action

AMENDMENTS TO THE CLAIMS

1. (Withdrawn-Currently Amended) A method of treating a dermal condition comprising,

a) applying a ~~pressure sensitive adhesive free~~ composition to a dermal structure comprising, hydrogel hydrophilic polymer network; at least one active agent; at least one humectant and moisture content in the ~~pressure sensitive adhesive free~~ composition effective to create a diffusion gradient from between the pressure sensitive adhesive free composition to ~~[[and]]~~ a dermal structure, wherein moisture and the at least one active agent are ~~[[is]]~~ transferred by the diffusion gradient from the ~~pressure sensitive adhesive free~~ composition to the dermal structure ~~so that when the pressure sensitive adhesive free composition contacts is placed on a~~ the dermal structure ~~moisture from the pressure sensitive adhesive free composition is provided to the dermal structure, and the dermal structure is hydrated;~~ and wherein the at least one active ingredient agent comprises a weak organic acid in an amount effective to treat a condition of the ~~dermal structure;~~ and

b) maintaining the ~~pressure sensitive adhesive free~~ composition at the dermal structure site for a sufficient amount of time so that an effective amount of the active agent is delivered.

2. (Canceled)

3. (Withdrawn-Previously Presented) The method of Claim 1, wherein the organic acid comprises citric acid.

4. (Withdrawn- Previously Presented) The method of Claim 3, wherein the citric acid is in a concentration between 0.1 and 16%, between 4 and 16%, or between 6 and 12%.

5. (Canceled)

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6. (Withdrawn-Currently Amended) The method of Claim 1, wherein the hydrogel hydrophilic polymer network is made of natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polypropylenes, polybutyrate, polyacrylate, polyacrylamide, polybuterate, polyurethane foam, silicone elastomer, nylon, vinyl or cross linked dextran.

7. (Withdrawn- Previously Presented) The method of Claim 1, wherein the humectant is glycerol.

8. (Withdrawn) The method of Claim 1, wherein the composition further comprises at least one attachment element.

9. (Withdrawn - Currently Amended) The method of Claim 1, wherein the composition is an amorphous hydrogel hydrophilic polymer network.

10. (Withdrawn) The method of Claim 1, wherein the composition is a cream, salve, lotion, or emulsion.

11. (Currently Amended) A ~~pressure sensitive adhesive free~~ composition comprising,
a) a hydrogel hydrophilic polymer network;
b) at least one active agent;
c) at least one humectant; and
d) a moisture content in the ~~pressure sensitive adhesive free~~ composition effective to create a diffusion gradient ~~from between the pressure sensitive adhesive free composition to~~ [[and]] a dermal structure, wherein moisture and the at least one active agent [[is]] are transferred by the diffusion gradient from the pressure sensitive adhesive free composition to the dermal structure when the pressure sensitive adhesive free composition contacts is provided to the dermal structure so that when the pressure sensitive adhesive free composition is provided to the

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~~dermal structure, moisture is provided to the dermal structure and the dermal structure is hydrated;~~

wherein the at least one active ingredient agent comprises a weak organic acid ~~in an amount effective to treat a condition of the dermal structure.~~

12. (Currently Amended) The ~~pressure sensitive adhesive free~~ composition of Claim 11, further comprising a moisture management system.

13. (Currently Amended) The ~~pressure sensitive adhesive free~~ composition of Claim 11, further comprising at least one attachment element.

14. (Currently Amended) The ~~pressure sensitive adhesive free~~ composition of Claim 11, wherein the hydrogel hydrophilic polymer network comprises natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polypropylenes, polybutyrate, polyacrylate, polyacrylamide, polybuterate, polyurethane foam, silicone elastomer, nylon, vinyl, or cross linked dextran.

15. (Currently Amended) The ~~pressure sensitive adhesive free~~ composition of Claim 11, wherein the at least one active agent comprises citric acid, sorbic acid, ascorbic acid, salicylic acid, tannic acid, succinic acid, lactic acid, pyruvic acid, alpha ketoglutaric acid, glutamic acid, acetic acid, butaric acid, salicylic acid, iodine, DMSO, azole derivatives, undecylenic acid, tea tree oil, urea, selenium sulfide, resorcinol, ketoconazole, Clotrimazole, Terbinafine, Ciclopirox olamine, Diflucan, anti-yeast compounds, antibacterial compounds, or antiviral compounds.

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16. (Currently Amended) The ~~pressure-sensitive adhesive-free~~ composition of Claim 11, wherein the humectant is an organic alcohol, glycerol, butanol, propanol, isopropyl alcohol, ethanol, methanol, propylene glycol, polyethylene glycol, ethylene alcohol, butyl alcohol, sodium chloride, lithium chloride, copper chloride, magnesium chloride, magnesium sulfate, manganese sulphate, aluminum sulfate, zinc sulfate, or zinc chloride.

17. (Currently Amended) The ~~pressure-sensitive adhesive-free~~ composition of Claim 11, wherein the moisture content of the composition is in a range of from 0.1% to 50% water.

18-20. (Canceled)

21. (Currently Amended) The ~~pressure-sensitive adhesive-free~~ composition of Claim 11, wherein the citric acid is in a concentration of 0.1% to 16% w/w.

22. (Currently Amended) A ~~pressure-sensitive adhesive-free~~ composition, comprising:

a) a ~~hydrogel~~ hydrophilic polymer network;

b) at least one active agent;

c) at least one humectant; and

d) a moisture content in the ~~pressure-sensitive adhesive-free~~ composition effective to create a diffusion gradient from ~~between the pressure-sensitive adhesive-free composition to~~ [[and]] a dermal structure,

wherein moisture and the at least one active agent [[is]] are transferred from the ~~pressure sensitive-adhesive-free~~ composition to the dermal structure when the ~~pressure-sensitive-adhesive-free-composition~~ contacts ~~is provided to~~ the dermal structure, and wherein the at least one active ~~ingredient~~ agent comprises a weak organic acid in a concentration of about 0.1% to about 16% w/w.

23. (Currently Amended) The ~~pressure-sensitive adhesive-free~~ composition of Claim 22, wherein weak organic acid is citric acid, and wherein the citric acid is in a concentration of about 8% to about 16% w/w.

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24. (Currently Amended) The ~~pressure-sensitive adhesive-free~~ composition of Claim 22, wherein the ~~hydrogel~~ hydrophilic polymer network is made of natural or synthetic hydrophilic polymers, rubber, collagen, animal hide, hyaluronic acid, dextran, alginates, cellulose, carboxymethylcellulose, hydroxymethylcellulose, elastomers, polyethylenes, polypropylenes, polybutyrate, polyacrylate, polyacrylamide, polybuterate, polyurethane foam, silicone elastomer, nylon, vinyl or cross linked dextran.